

ABSTRACT OF THE DISCLOSURE

Failures of existing bearing spring plates for a certain class of steam turbines typically occur at welds between a flexible support plate and a pedestal base plate. Most often, this leaves a part of the broken spring plate protruding from the base plate. A replacement bearing spring plate pedestal has a flexible plate integral with top and bottom mounting blocks meeting the flexible spring plate at large radii, polished and substantially free from stress risers. The bottom block has a channel machined into it of a width and height to admit and straddle the protruding part. A drill fixture permits drilling and tapping holes in the pedestal base plate to install the replacement spring plate pedestal at the proper location.